

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081519\
 Data File : VU033807.D
 Acq On : 15 Aug 2019 13:50
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Quant Time: Aug 16 01:13:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 16 01:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	181006	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	186699	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	105211	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	77456	3.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.60%
7) Chloroethane-d5	1.67	69	66415	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.26	65	36758	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	4.19	46	189288	47.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.64%
24) Chloroform-d	4.62	84	131042	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.29	65	67890	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
32) Benzene-d6	5.32	84	244329	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.31	67	78109	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.80%
41) Toluene-d8	7.55	98	227911	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	7.83	79	32010	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.30	63	142799	49.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.56%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	72113	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
66) 1,2-Dichlorobenzene-d4	11.84	152	90607	4.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	124714	4.753	ug/L 99
3) Chloromethane	1.32	50	126156	4.633	ug/L 97
5) Vinyl chloride	1.39	62	140822	4.743	ug/L 99
6) Bromomethane	1.62	94	81778	4.733	ug/L 99
8) Chloroethane	1.69	64	82335	4.695	ug/L 97
9) Trichlorofluoromethane	1.88	101	191250	4.702	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	107086	4.961	ug/L 98
12) 1,1-Dichloroethene	2.27	96	101573	4.870	ug/L 95
13) Acetone	2.35	43	201580	47.785	ug/L # 49
14) Carbon disulfide	2.46	76	330511	4.666	ug/L 100
15) Methyl Acetate	2.61	43	51267	4.675	ug/L 96
16) Methylene chloride	2.68	84	112685	4.628	ug/L 99
17) Methyl tert-butyl Ether	2.99	73	261027	4.834	ug/L 99
18) trans-1,2-Dichloroethene	2.96	96	106072	4.736	ug/L 99
19) 1,1-Dichloroethane	3.42	63	167787	4.792	ug/L 99
21) 2-Butanone	4.27	43	254635	48.754	ug/L 99
22) cis-1,2-Dichloroethene	4.20	96	90769	4.750	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	44825	4.893	ug/L	91
25) Chloroform	4.65	83	174044	4.618	ug/L	100
27) 1,2-Dichloroethane	5.38	62	112562	4.847	ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	145244	4.780	ug/L	99
30) Cyclohexane	4.97	56	126603	4.604	ug/L	98
31) Carbon tetrachloride	5.11	117	131778	4.875	ug/L	99
33) Benzene	5.37	78	366163	4.903	ug/L	100
34) Trichloroethene	6.16	95	94874	4.844	ug/L	99
35) Methylcyclohexane	6.39	83	136151	4.637	ug/L	99
37) 1,2-Dichloropropane	6.41	63	97885	4.851	ug/L	100
38) Bromodichloromethane	6.74	83	121098	4.759	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	129145	4.743	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	581334	49.854	ug/L	99
42) Toluene	7.62	91	400617	5.105	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	108957	4.786	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	70021	4.856	ug/L	99
47) Tetrachloroethene	8.21	164	77477	4.746	ug/L	99
48) 2-Hexanone	8.35	43	438466	51.994	ug/L	99
49) Dibromochloromethane	8.46	129	85673	4.900	ug/L	99
50) 1,2-Dibromoethane	8.57	107	68891	4.942	ug/L	98
51) Chlorobenzene	9.10	112	245451	4.859	ug/L	99
52) Ethylbenzene	9.23	91	397515	4.895	ug/L	99
53) m,p-Xylene	9.36	106	154364	5.041	ug/L	98
54) o-Xylene	9.76	106	150650	5.181	ug/L	99
55) Styrene	9.77	104	263294	5.218	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.44	83	90158	4.760	ug/L	96
59) Isopropylbenzene	10.15	105	391250	4.878	ug/L	99
60) Bromoform	9.94	173	50668	4.714	ug/L	95
61) 1,2,3-Trichloropropane	10.48	75	64164	4.592	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	314101	4.826	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	314803	4.847	ug/L	98
64) 1,3-Dichlorobenzene	11.40	146	207256	4.832	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	208535	4.722	ug/L	98
67) 1,2-Dichlorobenzene	11.86	146	197888	4.778	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.64	75	14249	4.672	ug/L	96
69) 1,3,5-Trichlorobenzene	12.87	180	161235	4.779	ug/L	98
70) 1,2,4-trichlorobenzene	13.49	180	124749	4.751	ug/L	100
71) Naphthalene	13.73	128	191283	4.731	ug/L	98
72) 1,2,3-Trichlorobenzene	13.97	180	125657	5.078	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

